



SHEET 1 OF 7

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960
	APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN	
	FILING DATE March 25, 2004	GROUP ART UNIT 1746

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	2,751,034	6/19/1956	Ringo et al.			
	2,824,620	2/25/1958	De Rosset			
	3,336,730	8/22/1967	McBride et al.			
	3,338,681	8/29/1967	Kordesch			
	3,350,176	10/31/1967	Green et al.			
	3,469,944	9/30/1969	Bocard et al.			
	3,487,608	1/6/1970	Gräff			
	3,986,849	10/19/1976	Fuderer et al.			
	4,038,054	7/26/1977	Gräff			
	4,098,959	7/4/1978	Fanciullo			
	4,098,960	7/4/1978	Gagnon			
MA	4,175,165	11/20/1979	Adlhart			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO

## OTHER DOCUMENTS

MA		Oertel, Michael, et al., "Steam Reforming of Natural Gas with Integrated Hydrogen Separation for Hydrogen Production," Chemical Engineering Technology, Vol. 10, pp. 248-55 (1987).
MA		Yang, Ralph T., "Gas Separation by Adsorption Processes," pp. 253-60, Butterworth Publishers, 1987.

EXAMINER		DATE CONSIDERED
Melissa Aust		11/8/04



SHEET 2 OF 7

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960			
		APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN				
		FILING DATE March 25, 2004	GROUP ART UNIT 1746			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	4,214,969	7/29/1980	Lawrance			
	4,272,265	6/9/1981	Snyder			
	4,406,675	9/27/1983	Dangieri et al.			
	4,452,612	6/5/1984	Mattia			
	4,468,235	8/28/1984	Hill			
	4,469,494	9/4/1984	van Weenen			
	4,553,981	11/19/1985	Fuderer			
	4,758,253	7/19/1988	Davidson et al.			
	4,787,417	11/29/1988	Windsor, Jr.			
	4,925,464	5/15/1990	Rabenau et al.			
	4,968,334	11/6/1990	Hilton			
MA	5,112,367	5/12/1992	Hill			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER <i>Melissa Aust</i>		DATE CONSIDERED <i>11/01/04</i>				



SHEET 3 OF 7

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960
	APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN	
	FILING DATE March 25, 2004	GROUP ART UNIT 1746

## U.S. PATENT DOCUMENTS

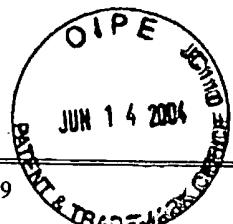
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	5,114,441	5/19/1992	Kanner et al.			
	5,133,784	7/28/1992	Boudet et al.			
	5,176,722	1/5/1993	Lemcoff et al.			
	5,256,172	10/26/1993	Keefer			
	5,256,174	10/26/1993	Kai et al.			
	5,268,021	12/7/1993	Hill et al.			
	5,354,547	10/11/1994	Rao et al.			
	5,366,541	11/22/1994	Hill et al.			
	5,401,589	3/28/1995	Palmer et al.			
	5,432,710	7/11/1995	Ishimaru et al.			
	5,441,559	8/15/1995	Petit et al.			
MA	Re. 35,099	11/28/1995	Hill			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO

## OTHER DOCUMENTS

EXAMINER <i>Melissa Ausl</i>	DATE CONSIDERED <i>11/8/04</i>
---------------------------------	-----------------------------------



SHEET 4 OF 7

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960
	APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN	
	FILING DATE March 25, 2004	GROUP ART UNIT 1746

## U.S. PATENT DOCUMENTS

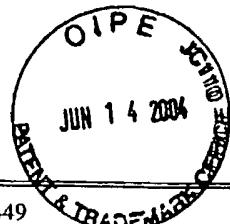
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	5,487,775	1/30/1996	LaCava et al.			
	5,593,478	1/14/1997	Hill et al.			
	5,637,414	6/10/1997	Inoue et al.			
	5,730,778	3/24/1998	Hill et al.			
	5,807,423	9/15/1998	Lemcoff et al.			
	5,814,130	9/29/1998	Lemcoff et al.			
	5,814,131	9/29/1998	Lemcoff et al.			
	5,820,656	10/13/1998	Lemcoff et al.			
	5,891,217	4/6/1999	Lemcoff et al.			
	5,932,181	8/3/1999	Kim et al.			
	5,979,440	11/9/1999	Honkonen et al.			
MA	6,045,933	4/4/2000	Okamoto			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

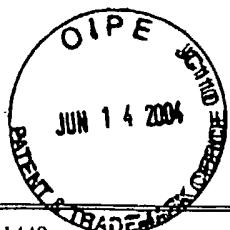
## OTHER DOCUMENTS

EXAMINER <i>Melissa Austin</i>	DATE CONSIDERED <i>11/8/04</i>
-----------------------------------	-----------------------------------



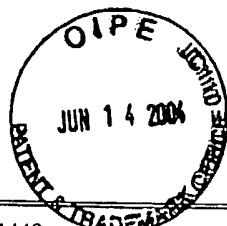
SHEET 5 OF 7

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960			
		APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN				
		FILING DATE March 25, 2004	GROUP ART UNIT 1746			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MK	6,051,050	4/18/2000	Keefer et al.			
	6,056,804	5/2/2000	Keefer et al.			
	6,063,161	5/16/2000	Keefer et al.			
	6,068,680	5/30/2000	Kulish et al.			
	6,083,637	7/4/2000	Walz et al.			
	6,143,056	11/7/2000	Smolarek et al.			
	6,168,422	1/2/2001	Motyka et al.			
	6,176,897	1/23/2001	Keefer			
	6,311,719	11/6/2001	Hill et al.			
	6,379,645	4/30/2002	Bucci et al.			
	6,406,523	6/18/2002	Connor et al.			
MA	6,451,095	9/17/2002	Keefer			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER <i>Melissa Austin</i>				DATE CONSIDERED <i>11/8/04</i>		



SHEET 6 OF 7

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960			
		APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN				
		FILING DATE March 25, 2004	GROUP ART UNIT 1746			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
<i>MA</i>	6,457,485	10/1/2002	Hill et al.			
	6,471,744	10/29/2002	Hill			
	6,514,318	2/4/2003	Keefer			
	6,514,319	2/4/2003	Keefer et al.			
	6,623,719	9/23/2003	Lomax, Jr. et al.			
	6,627,338	9/30/2003	St-Pierre et al.			
	2002/ 0004157 A1	1/10/2002	Keefer et al.			
	2002/ 0058169 A1	5/16/2002	Golden et al.			
<i>MA</i>	2002/ 0110504 A1	8/15/2002	Gittleman et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER <i>Melissa Austin</i>		DATE CONSIDERED <i>11/01/04</i>				



SHEET 7 OF 7

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960			
		APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN				
		FILING DATE March 25, 2004	GROUP ART UNIT 1746			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MH	2002/0114747 A1	8/22/2002	Marchand et al.			
	2002/0124885 A1	9/12/2002	Hill et al.			
	2002/0127442 A1	9/12/2002	Connor et al.			
MH	2003/0005928 A1	1/9/2003	Appel et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER <i>Wesley Austin</i>			DATE CONSIDERED 11/8/04			